

Recombinant Human PDZ Domain Containing 11, His-tagged

Cat. No. PDZD11-7211H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PDZD11 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 18.5 kDa.
Species	Human
Source	E.coli
ProteinLength	1-140aa
Description	PDZD11, also known as AIPP1a, is a cytosolic protein which contains one PDZ (DHR) domain. This protein bears resemblance to members of the MALS / VELIS family of proteins. It contains but one PDZ domain that apparently interacts with the C-terminus of partner proteins. PDZD11 is ubiquitously expressed, and appears to target calcium and copper ATPases to basolateral cell membranes. It is a transiently interacting partner of the PMCA b-splice forms that may play a role in their sorting to or from the plasma membrane.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT.
Molecular Mass	18.5 kDa (163aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMDSRIPY DDYPVVFLPA YENPPAWIPP HERVHHPDYN NELTQFLPRT ITLKKPPGAQ LGFNIRGGKA SQLGIFISKV

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	IPDSDAHRAG LQEGDQVLAV NDVDFQDIEH SKAVEILKTA REISMRVRFF PYNHYRQKER TVH
Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	PDZD11 PDZ domain containing 11 [Homo sapiens]
Official Symbol	PDZD11
Synonyms	PDZD11; PDZ domain containing 11; PDZK11; PDZ domain-containing protein 11; ATPase-interacting PDZ protein; PISP; AIPP1;
Gene ID	51248
mRNA Refseq	NM_016484
Protein Refseq	NP_057568
MIM	300632
UniProt ID	Q5EBL8

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Chromosome Location	Xq13.1
Function	protein C-terminus binding; protein binding;

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